

ABSTRACT OF THE DISCLOSURE

In a continuously operating tomography apparatus and an operating method therefor, a scanner unit is rotated around a system axis and first and second examination subjects are successively moved into the scanner unit and respective examinations of the first and second examination subjects are conducted without interruption of rotation of the scanner unit. The rotation frequency of the scanning unit is set differently dependent on the type of examination to be conducted, and when no examination of an examination subject is taking place, the scanning unit is rotated at a predetermined rest rotation frequency, that is smaller than a smallest of the available rotation frequencies for the examinations, or is an average of the rotation frequencies available for the examinations.